GE
Inspection Technologies

DXR250V

Direct Radiography

Designed for field use, the DXR250V provides a compact digital radiography solution that is ready to be deployed in some of the most challenging environments. The portable DXR250V is an entry-level detector that allows users to apply digital radiography to applications previously limited to computed and film radiography. DXR250V enables shorter exposure times and instant image review, reducing the need for re-shooting of images and leading to overall productivity for users.

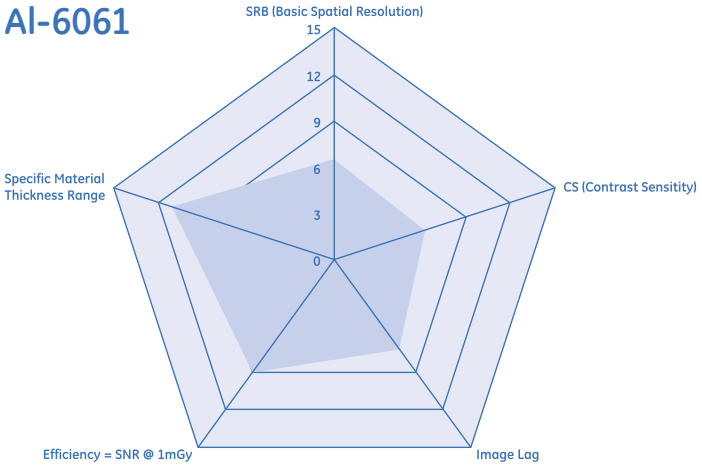
Features and Benefits

- Lightweight, thin packaging allowing for maximum accessibility
- Detachable quick disconnect tether cable for easy set-up
- Ruggedized covering and carrying case for field deployment (optional)

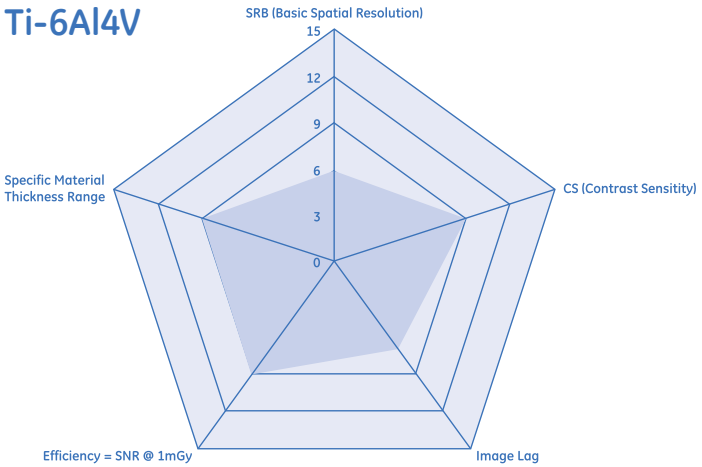
Applications

- Erosion corrosion
- Flow assisted corrosion
- On-wing
- Foreign object detection

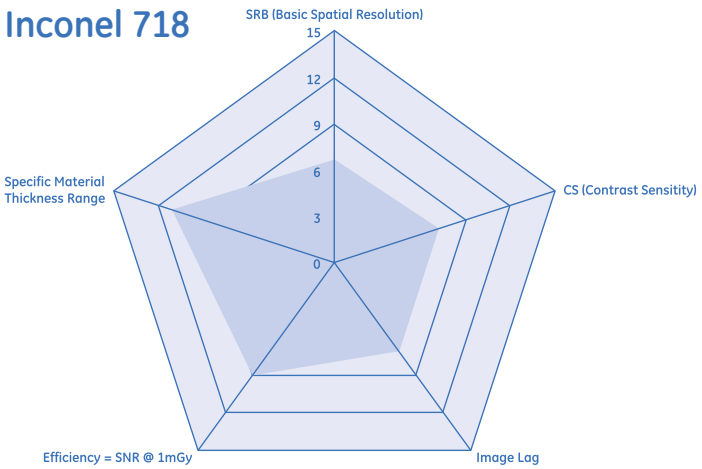
Al-6061



Ti-6Al4V



Inconel 718



Detector Characterization Charts

The detector characterization charts provided on the left are completed in accordance to ASTM E2597-07 Standard Practice for the Manufacturing Characterization of Digital Detector Arrays. This standard allows for the direct comparison of DDAs by ensuring data is collected and reported in a consistent and specified manner. The standard also enables guidance for the appropriate pairings of detectors with applications.

Pixels are identified as bad per one or more of the seven definitions described in the ASTM E2597-07 document. The pixels marked as bad will be corrected through GE's software utilizing data collected from good neighborhood pixels.

Technical Specifications

Detector Specifications	
Flat Panel Type	Amorphous Silicon
Scintillator Material	GOS
Active Area (approx.)	410 x 410 mm (16 x 16 in)
Image Formate	2048 x 2048
Pixel Pitch	200µm
A/D Conversion	14 bits
Min Exposure Time	130ms
Interface	Gigabit Ethernet
Dynamic Range	10,000:1
Dimensions	585 x 465 x 27mm
Weight	6 kg (13 lb)
Operating Temperature	10° to 35° C (50° to 95° F)
Operating Humidity	10-90% non-condensing

Power Supply	
Voltage	100-240V, 50-60Hz
UT Output Connector	163 x 287 x 56 mm (6 x 11 x 2 in)
Weight	3 kg (7 lb)

www.gesensinginspection.com

GEIT-40050EN (03/10)

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